

Notice of Allowability

Application No.

09/843,718

Examiner

Naeem Haq

Applicant(s)

SIPPONEN, JUHA-PEKKA

Art Unit

3625

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 7/19/2007.
2. ☒ The allowed claim(s) is/are 122-136.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 10/1/2007.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.


NAEEM HAQ
PRIMARY EXAMINER

DETAILED ACTION

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Attorney Shawn Gorman July 19, 2007.

Please amend as follows:

Please cancel claims 1-121

Please amend claim 122 as follows:

122. (Amended) A system comprising:

a ticket service provider server providing a selection of tickets for purchase by a user of a mobile personal trusted device through a wireless communication network, wherein the mobile personal trusted device is configured to provide a digitally signed contract to purchase a selected ticket and an identification of a purchased ticket to the communication network for transmission to the ticket service provider; wherein the ticket service provider server authenticates the user of the mobile personal trusted device to purchase the purchased ticket and verifies the digitally signed contract by verifying a

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digital signature of the contract, and further comprises a computer-readable medium that records the verified digitally signed contract and an identification of the ticket; and

an authorized output device in communication with both the mobile personal trusted device and the ticket service provider server, that is selected by the mobile personal trusted device through a digitally signed request from the mobile personal trusted device to the ticket service provider server to output the purchased ticket, wherein the authorization is provided by the ticket service provider.

Please amend claim 123 as follows:

123. (Amended) The system of claim 122, wherein the authorized output device is in communication with the ticket service provider server through the Internet.

Please add new claims as follows:

124. (New) The system of claim 122, wherein the output from the authorized output device comprises a printed ticket.

125. (New) The system of claim 122, wherein the authorized output device is in communication with the mobile personal trusted device through a low power RF connection.

126. (New) The system of 122, wherein authorized output device is configured to store a confirmation of the output.

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127. (New) A ticket service provider server comprising:

- a wireless communication pathway with a communication network comprising a mobile personal trusted device, wherein the server provides a selection of tickets for purchase by a user of the mobile personal trusted device;

- an apparatus which receives from the communication network a digitally signed contract and an identification of a purchased ticket transmitted from the mobile personal trusted device through the communication network;

- an apparatus configured to authenticate the user of the mobile personal trusted device to purchase the purchased ticket;

- a verifying apparatus which verifies a digitally signed contract received from the mobile personal trusted device created in association with purchasing of the purchased ticket by verifying of a digital signature;

- an apparatus for recording the verified digitally signed contract and an identification of the ticket in a memory;

- an apparatus configured to verify a digitally signed request from the mobile personal trusted device for an authorized output device to output the purchased ticket;
- and

- an apparatus to provide authorization from the ticket service provider server to the authorized output device requested by the mobile personal trusted device to output the purchased ticket.

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128. (New) The ticket service provider server of claim 127, wherein the ticket service provider server is in communication with the authorized output device through the Internet.

129. (New) The ticket service provider server of claim 127, wherein the output from the authorized output device comprises a printed ticket.

130. (New) The ticket service provider server of claim 127, wherein the authorized output device is in communication with the mobile personal trusted device through a low power RF connection.

131. (New) The ticket service provider server of 127, wherein authorized output device is configured to store a confirmation of the output.

132. (New) A computer-readable medium with computer-executable instructions that when executed perform the steps comprising:

providing through a wireless communication pathway to a communication network comprising a mobile personal trusted device, a selection of tickets for purchase by a user of the mobile personal trusted device;

determining the reception from the communication network a digitally signed contract and an identification of a purchased ticket transmitted from the mobile personal trusted device through the communication network;

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authenticating the user of the mobile personal trusted device to purchase the purchased ticket;

verifying a digitally signed contact received from the mobile personal trusted device created in association with purchasing of the purchased ticket by verifying of a digital signature;

recording the verified digitally signed contract and an identification of the ticket in a memory;

verifying a digitally signed request from the mobile personal trusted device for an authorized output device to output the purchased ticket; and

providing authorization from the ticket service provider server to the authorized output device requested by the mobile personal trusted device to output the purchased ticket.

133. (New) The computer-readable medium of claim 132, wherein the ticket service provider server is in communication with the authorized output device through the Internet.

134. (New) The computer-readable medium of claim 132, wherein the output from the authorized output device comprises a printed ticket.

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135. (New) The computer-readable medium of claim 132, wherein the authorized output device is in communication with the mobile personal trusted device through a low power RF connection.

136. (New) The computer-readable medium of claim 132, wherein authorized output device is configured to store a confirmation of the output.

Allowable Subject Matter

Claims 122-136 are allowed.

The following is a statement of reasons for the indication of allowable subject matter: Statement of allowance is in reference to independent claims 122, 127, and 132. All other claims are dependent on these claims.

The present application is directed to a system and program for purchasing and printing a ticket over a network using digital signatures. The system and program comprises a mobile trusted device, a ticket server provider, and an authorized output device that communicate with one another during the purchasing and printing of the ticket.

Independent claims 122, 127, and 132 recite the uniquely patentable feature that the authorized output device used for printing the ticket is selected by the mobile trusted device through a digital signature and the authorization is performed by the ticket server provider.

Discussion of the most relevant prior art:

The following references have been identified as the most relevant prior art to the claimed invention.

(i) US 2002/0010604 A1 to Block: Block generally discloses purchasing a ticket over network using a mobile trusted device. However, Block does not disclose or suggest that the authorized output device used for printing the ticket is selected by the mobile trusted device through a digital signature and the authorization is performed by the ticket server provider.

(ii) "Rights management and security in the electronic library" Dialog File 15 ("Dialog"): Dialog discloses printing on secured printer(see page 2). However, Dialog does not disclose or how this security is achieved. Moreover, Dialog also fails to teach or suggest that the authorized output device used for printing the ticket is selected by the mobile trusted device through a digital signature and the authorization is performed by the ticket server provider.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Naeem Haq whose telephone number is (571)-272-6758. The examiner can normally be reached on M-F 8:00am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey A. Smith can be reached on (571)-272-6763. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

October 1, 2007



**NAEEM HAQ
PRIMARY EXAMINER**